PTO/SB/17 (10-03)

Complete if Known 00/970 451

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AUG 3 1 2004

Signature

	— L	Application Number			er 109/67	09/070,451			_	
for FY	2004		Filing	Date		June 1	June 1, 2001		1	
Effective 10/01/2003. Patent fees are			First I	Named	Inven	tor Cathe	rwood, et al.			1
	<u> </u>	-	Exam	iner N	ame	Danie	H. Pan		_	
Applicant claims small entity status. See 37 CFR 1.27			Art U	nit		2183				7
TOTAL AMOUNT OF PAYMENT	(\$) 180.00		Attorr	ney Do	cket N	o. 06835	4.1465	_		7
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Charge any additional fee(s) or any under		1804	920*	1804	920*	Requesting pu Examiner activ	ublication of SIR proon	ior to		
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Name (Print/Type) Paul N. Katz			Registra	ition No	35,	917	Telephone 71	3.229.1343		1

WARNING: Information or this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 31, 2004

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

pplication of:

CATHERWOOD, ET AL.

Serial No.:

09/870,451

Filed:

JUNE 1, 2001

Title: "REPEAT INSTRUCTION WITH

INTERRUPT"

Group Art Unit:

Examiner:

DANIEL H. PAN

2183

9999999999

Atty. Docket No.: 068354.1465

CERTIFICATE OF MAILING VIA EXPRESS MAIL 37 C.F.R. 1.10

PURSUANT TO 37-C.F.R. §1.10, I HEREBY CERTIFY THAT I HAVE KNOWLEDGE AND A REASONABLE BASIS FOR BELIEF THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL POST OFFICE TO ADDRESSEE ON THE DATE INDICATED BELOW AND IS ADDRESSED TO:

MAIL STOP AMENDMENT HONORABLE COMMISSIONER FOR PATENTS P.O. Box 1450 ALEXANDRIA, VA 22313-1450.

DATE OF MAILING: EXPRESS MAIL LABEL:

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

P.O. Box 1450

Applicants respectfully request, pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, that

the art listed on the attached PTO-1449 form be considered and cited in the examination of the

above-identified application.

MAIL STOP AMENDMENT

Alexandria, VA 22313-1450

Honorable Commissioner for Patents

09/02/2004 MBLANCO 00000002 09870451

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180.00 OP

Attorney Docket: 068354.1465 EV448726800US

Furthermore, pursuant to 37 C.F.R. §§1.97(g) and (h), Applicants do not represent that a search has been made and do not admit that these references are, or are considered to be, material to the patentability of the present application.

Enclosed herein is Check No. 900069 in the amount of \$180.00. Should the Commissioner deem that any additional fees are due, Applicants respectfully request that the Commissioner accept this as a Petition Therefor, and further direct the Commissioner to debit any fees due from Baker Botts L.L.P. Deposit Account No. 02-0383, Order No. 068354.1465

Also enclosed with this mailing is a postcard to acknowledge receipt of this filing.

Respectfully submitted,

BAKER BOTTS L.L.P. (023640)

Bv:

Paul N. Katz

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DATE: August 31, 2004

E-Mail: paul.katz@bakerbotts.com ATTORNEY FOR APPLICANTS Information Dischosure Citation

Application No.	Applicant(s)					
09/870,451	Catherwood et al.	Catherwood et al.				
Docket Number	Group Art Unit	Filing Date				
068354.1465	2183	June 1, 2001				

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
Α	3771146	11/6/73	Cottton et al.	710	260	1/22/73
В	3781810	12/25/73	Downing	340	172.5	4/26/72
C.	3886524	5/27/75	Appelt	710	110	10/18/73
D.	4025771	5/24/77	Lynch et al.	708	521	3/25/74
E.	4074353	2/14/78	Woods et al.	710	264	3/24/76
F.	4090250	5/16/78	Carlson et al.	712	234	9/30/76
G.	4323981	4/6/82	Nakamura	364	749	10/23/78
Н.	4379338	4/5/83	Nishitani et al.	708	552	11/21/80
1.	4398244	8/9/83	Chu et al.	364	200	5/7/80
J	4408274	10/4/83	Wheatley et al	364	200	9/29/80
K.	4451885	5/29/84	Gerson et al.	708	200	3/1/82
L.	4472788	9/18/84	Yamazaki	364	900	8/27/81
М.	4481576	11/6/84	Bicknell	364	200	3/19/82
N.	4488252	12/11/84	Vassar	364	748	2/22/82
Ο.	4511990	4/16/85	Hagiwara et al.	364	748	10/15/81

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		DOCUMENT NO.	DATE	COUNTRY .	UNTRY CLASS		TRANS	LATION
		DOCUMENT NO.	DATE			SUBCLASS	YES	NO
	P.	01037424 A	2/1989	JP (w/abstract)	нозм	001/82		х
	Q.	0 554 917 A2	8/11/93	EP SO	G06F	9/26	х	
	R.	96/11443	4/18/96	wo 2 0	J-500F	15/78	x	
	S.	0 855 643 A1	07/29/98	EP EP	0005	9/30	х	
-	T.	0 992 888	12/04/00	EP 6 9	C06F	9/32	х	
	U.	0 992 889	12/14/00	₽ 9	G06F	9/32	х	

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V.	Moon B I et al.: "A 32-bit RISC Microprocessor with DSP Functionality: Rapid Prototyping" IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, Institute of Electronics Information and Comm. Eng. Tokyo, JP, vol. E84-A no. 5, pages 1339-1347, XP001060025 ISSN: 0916-8508	5/2001
w.	Turley J: "Balancing Conflicting Requirements When Mixing RISC, DSPs" Computer Design, Pennwell Publ. Littleton, Massachusetts, IS, vol. 37, no. 10, pages 46, 48, 50-53, XP000860706 ISSN:0010-4566	10/1998
X.	Levy M: "Microprocessor and DSP Technologies Unite for Embedded Applications" EDN Electrical Design News, Cahners Publishing Co., Newtown Massachusetts, US, no. Europe, pages 73-74, 76, 78-80, XP000779113 ISSN: 0012-7515	3/2/1998

EXAMINER DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Application No. Applicant(s) PTO-1449 Catherwood et al. 09/870,451 Information Disclosure Citation Docket Number **Group Art Unit** Filing Date in an Application 068354.1465 2183 June 1, 2001 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE **CLASS SUBCLASS FILING DATE** NAME A. Parker et al. 4556938 12/3/85 364 200 2/22/82 В. 364 3/7/83 4626988 12/2/86 George 200 C. 4730248 3/8/88 Watanabe et al. 364 200 8/30/84 D. 5/3/88 364 3/25/85 4742479 Kloker et al. 746 E. 4768149 8/30/88 Konopik et al. 364 200 8/29/85 F. 10/18/88 2 4779191 Greenblatt 711 4/12/85 G. 364 4782457 11/1/88 Cline 715.04 8/18/86 H. 4800524 1/24/89 Roesgen 364 900 12/2/87 ١. 4807172 2/21/89 364 715.08 2/17/87 Nukiyama J. 4829420 5/9/89 Stahle 364 200 6/29/87 K. 4829460 5/9/89 Ito 364 715.08 10/14/87 L. 4839846 6/13/89 364 3/12/86 Hirose et al. 748 M. 6/20/89 3/20/87 4841468 Miller et al. 708 625 N. 4872128 10/3/89 Shimizu 364 715.08 2/17/88 Ο. 4882701 11/21/89 Ishii 364 900 9/23/88 P. 4926371 5/15/90 Vassilliadis et al. 708 628 12/28/88 Q. 4941120 7/10/90 Brown et al. 364 748 4/17/89 **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NO. DATE COUNTRY **CLASS SUBCLASS** YES NO R. Intel, Pentium Processor Family Developer's Manual, Volume 3: Architrecture and Program.

1, 3-2, 3-15, 14-1 to 14-30, 18-7, and 25-289 to 25-292

Intel, Embedded Intel486 Processor Family Developer's Manual, pgs. 2-2, 3-17, 3-37, 4-5, 4-6, 10-17-40-12, 12-1 to 12-10

M "Z80 Family Interrupt Structure". Barleywood (online), retrieved from the internet Cabv.de/z80/1653.htm> S. Т. 1995 U. 10/1997 ٧. 1997 Mailed W. 9/27/02 Mailed X. 9/9/02 Mailed Y. 10/18/02

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DATE CONSIDERED

EXAMINER

Page 3 of 9 Application No. Applicant(s) PTO-144 Catherwood et al. 09/870,451 Information Disabosure Citation Docket Number Group Art Unit Filing Date Man Application 068354.1465 2183 June 1, 2001 **U.S. PATENT DOCUMENTS SUBCLASS FILING DATE** DOCUMENT NO. DATE NAME **CLASS** A. 9/27/84 4943940 7/24/90 New 364 748 В. 200 12/5/88 4959776 9/25/90 Deerfield et al. 364 C. 364 726 10/10/89 4977533 12/11/90 Miyabayashi et al. D. 365 230.03 2/21/89 1/8/91 Abdoo et al 4984213 E. 5/7/90 5007020 4/9/91 Inskeep 364 900 F. 11/24/86 5012441 4/30/91 Retter 364 900 G. 364 200 9/22/89 5032986 7/16/91 Pathak et al. H. 200 7/27/90 5034887 7/23/91 Yasui et al. 364 1. 715.04 4/19/90 364 5038310 8/6/91 Akagiri et al. J. 8/13/91 Lindsay et al. 371 21.5 5/12/89 5040178 K. 10/8/91 Ohde et al. 264 200 10/14/88 5056004 L. 12/26/89 715.08 364 5099445 3/24/92 Studor et al. M. 3/31/92 Kohn 395 375 2/14/89 5101484 N. 9/19/90 395 775 5117498 5/26/92 Miller et al. Ο. 7/2/90 713 174 Wiener 6/9/92 5121431 P. Taniguchi 364 748 3/23/89 5122981 6/16/92 Q. 4/17/89 400 5155823 10/13/92 Tsue 395 R. 1/5/93 Nakamura 265 9/27/91 5177373 307 S. 5197023 3/23/93 Nakayama 364 748 10/31/91 T. 395 400 11/17/89 5197140 3/23/93 Balmer U. 8/27/91 5206940 4/27/93 Murakami et al. 395 400 v 9/11/90 364 748 5212662 5/18/93 Cocanougher et al. W. 11/17/89 395 800 5239654 8/24/93 Ing-Simmons et al. X. 1/4/94 Suzuki et al. 364 748 8/20/91 5276634 MENT NO. DATE COUNTRY CLASS

NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent) (Including Author, Title, Source, and Source, and Source, and Source, and **FOREIGN PATENT DOCUMENTS** DOCUMENT NO. Y.

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Application No. Applicant(s) PTO-1449 Catherwood et al. 09/870,451 Information Discressure Citation Filing Date **Docket Number Group Art Unit** in arr Application 068354.1465 2183 June 1, 2001 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME **CLASS SUBCLASS FILING DATE** A. Bartkowiak et al. 364 716 4/6/93 1/25/94 5282153 B. 4/23/90 5327543 7/5/94 Miura et al. 395 375 C. 7/12/91 7/5/94 395 775 5327566 Forsyth D. 12/20/94 364 736.5 12/18/92 5375080 **Davies** E. 364 3/8/93 5379240 1/3/95 Byrne 715.08 F. Masui et al. 725 9/29/93 395 5392435 2/21/95 G. 800 12/21/92 5418976 5/23/95 lida 395 H. 5422805 6/6/95 McIntyre et al. 708 625 10/21/92 I. 395 725 4/19/93 5432943 7/11/95 Mitsuishi J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. <u>421.07</u> 5/13/92 395 5448706 9/5/95 Fleming et al. L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 395 405 2/22/95 5471600 11/28/95 Nakamoto O. 364 745 6/14/93 5497340 3/5/96 Uramoto et al. P. 395 800 5/18/04 5499380 3/12/96 lwata et al. Q. Murakami et al. 9/28/93 5504916 4/2/96 395 800 R 5517436 5/14/96 Andreas et al. 364 736 6/7/94 S. Mallarapu et al. 318 254 1/30/95 5525874 6/11/96 Т. 5548544 8/20/96 Matheny et al. 364 745 10/14/94 U. 364 9/20/94 5561619 10/1/96 Watanabe et al. 736.5 ٧. <u>5564</u>028 10/8/96 Swoboda et al. 395 375 1/11/94 W. 5568380 10/22/96 Broadnax et al. 364 184 8/30/93 **FOREIGN PATENT DOCUMENTS TRANSLATION** SUBCLASS **CLASS** DOCUMENT NO. DATE COUNTRY NO X. NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinents ages) Y. Z. DATE CONSIDERED **EXAMINER**

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Page 5 of 9 Application No. Applicant(s) PTO-1449\ Catherwood et al. 09/870,451 Information Disclosure Citation **Docket Number Group Art Unit** Filing Date in an Application 068354.1465 2183 June 1, 2001 **U.S. PATENT DOCUMENTS CLASS SUBCLASS FILING DATE** DOCUMENT NO. DATE NAME 11/29/94 10/22/96 748 5568412 Han et al. 364 R 5596760 1/21/97 Ueda 395 588 12/9/92 C. 421.07 2/9/93 5600813 2/4/97 Nakagawa et al. 395 D. <u>5611061</u> 3/11/97 395 591 11/24/93 Yasuda E. 6/29/94 5619711 4/8/97 Anderson 395 800 F. Kiuchi et al. 5/17/95 375 5638524 6/10/97 395 G. 10/14/94 5642516 6/24/97 Hedayat et al. 395 733 Н. 3/30/95 5649146 7/15/97 Riou 395 421.07 I. 395 376 12/18/92 7/22/97 **Davies** 5651121 J. 8/12/97 Scarrá 395 561 12/27/94 5657484 K. 2/14/95 8/19/97 395 421.07 5659700 Chen et al. L. 5/26/95 5682339 10/28/97 Tam 364 715.08 м 4/26/94 5689693 11/18/97 White 395 565 N. Wolrich et al. 364 788 6/30/95 5694350 12/2/97 Ο. 364 748.03 12/22/95 5696711 12/9/97 Makineni Ρ. 395 380 3/19/91 5706460 1/6/98 Craig et al. Q. 452 1/13/95 1/6/98 Dockser 395 5706466 R 9/27/93 2/3/98 Asano et al. 395 800 5715470 S. 395 872 4/28/97 5737570 4/7/98 Koch Т. 4/14/98 Parant 364 760 7/12/95 5740095 U. 395 588 7/22/96 5740419 4/14/98 Potter V. 4/14/98 Muraki et al. 395 733 10/28/96 5740451 W. 5/5/98 Goddard et al. 364 748.03 9/26/95 5748516 CLASS PRETOCH SEP OF TURE
TOCH SEP OF **FOREIGN PATENT DOCUMENTS** SUBCLASS! COUNTRY **CLASS** DOCUMENT NO. DATE X. Y.

NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Page Z.

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PTO-1449 Ssure Citation

in an Application

Application No. Applicant(s) Catherwood et al. 09/870,451 Docket Number Group Art Unit Filing Date 068354.1465 2183 June 1, 2001

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DAT
Α.	5748970	5/5/98	Miyaji et al.	395	733	4/30/96
В.	5764555	6/9/98	McPherson et al.	364	748.03	3/13/96
C.	5765216	6/9/98	Weng et al.	711	214	6/17/96
D.	5765218	6/9/98	Ozawa et al.	711	219	3/10/95
E.	5774711	6/30/98	Henry et al.	395	591	7/26/96
F.	5778416	7/7/98	Harrison et al.	711	5	4/3/97
G.	5790443	8/4/98	Shen et al.	364	746	3/19/96
Н.	5808926	9/15/98	Gorshtein et al.	364	748.11	9/24/96
l.	5812439	9/22/98	Hansen	364	748.03	10/10/95
J.	5812868	9/22/98	Moyer et al.	395	800.23	9/16/96
K.	5825730	10/20/98	Nishida et al.	369	44.32	3/8/96
L.	5826072	10/20/98	Knapp et al.	395	567	11/13/95
M.	5826096	10/20/98	Baxter	395	800.24	5/19/95
N.	5828875	10/27/98	Halvarsson et al.	395	588	5/29/97
Ο.	5862065	1/19/99	Muthusamy	364	736.5	2/13/97
P.	5867726	2/2/99	Ohsuga et al.	395	800.32	4/10/96
Q.	5875342	2/23/99	Temple	395	733	6/3/97
R.	5880984	3/9/99	Burchfiel et al.	364	748.07	1/13/97
S.	5892697	4/6/99	Brakefield	364	748.02	12/19/95
Т.	5892699	4/6/99	Duncan et al.	364	760.4	9/16/97
U.	5894428	4/13/99	Harada	364	724.03	7/28/97
V.	5900683	5/4/99	Rinehart et al.	307	126	12/23/97
W.	5909385	6/1/99	Nishiyama et al.	364	760.03	4/1/97

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Z.	NON-PATENT	T DOCUMENTS - D	OCUMENT (Including Autho	or, Title, Source, and P	ertinent Page 0/00 3 2004

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Page 7 of 9

PTO-1449 Information Disclosure Citation

Applicant(s) Application No. Catherwood et al. 09/870,451 Docket Number **Group Art Unit** Filing Date 068354.1465 2183 June 1, 2001

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.	5917741	6/29/99	Ng	364	748.03	8/29/96
В.	5918252	6/29/99	Chen et al.	711	217	11/25/96
C.	5930159	7/27/99	Wong	364	745.01	10/17/96
D.	5930503	7/27/99	Drees	395	651	12/29/95
E.	5936870	8/10/99	lm, Jin Hyeock	364	745.03	8/15/97
F.	5937199	8/10/99	Temple	395	335	6/3/97
G.	5938759	8/17/99	Kamijo	712	209	12/19/97
H.	5941940	8/24/99	Prasad et al.	708	523	6/30/97
I.	5943249	8/24/99	Handlogten	364	748.02	4/25/97
J.	5944816	8/31/99	Dutton et al.	712	215	5/17/96
K.	5951627	9/14/99	Kiamilev et al.	708	404	11/14/96
L.	5951679	9/14/99	Anderson, et al.	712	241	10/31/97
M.	5978825	11/2/99	Divine et al.	708	525	11/14/97
N.	5983333	11/9/99	Kolagotia et al.	711	219	8/27/97
Ο.	5991787	11/23/99	Abel et al.	708	400	12/31/97
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Q.	5996067	11/30/99	White	712	224	10/28/97
R.	6009454	12/28/99	Dummermuth	709	108	11/10/97
S.	6014723	1/11/00	Tremblay et al.	711	1	1/23/97
Т.	6018757	1/25/00	Wong	708	525	8/8/96
U.	6026489	2/15/00	Wachi et al.	712	241	4/26/95
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w.	6044434	3/28/00	Oliver	711	110	9/24/97

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A.	6049858	4/11/00	Kolagotia et al.	711	217	8/27/97
B.	6058409	5/2/00	Kozaki et al.	708	409	8/5/97
C.	6058410	5/2/00	Sharangpani	708	551	12/2/96
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F.	6061780	5/9/00	Shippy et al.	712	204	1/23/98
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Н.	6076154	6/13/00	Van Eijndhoven et al	712	24	1/16/98
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J.	6101521	8/8/00	Kosiec	708	550	3/25/98
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L.	6115732	9/5/00	Oberman et al.	708	625	5/8/98
М.	6128728	10/3/00	Dowling	712	228	12/12/97
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P.	6145049	11/7/00	Wong	710	267	12/29/97
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PTO-14	49 AUG 3 1 2004 8		Application No.	Applicant(s)		
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	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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M.	6658578	12/2/03	Laurenti et al.	713	324	10/1/99
N.	6681280	1/20/04	Miyake et al.	710	261	10/4/00
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